

ABSTRACT

The “Two Stroke Internal Combustion Engine” is a piston engine operated with compression cooled by cooler **17**. This is followed by heat addition from heat exchanger high-pressure side **10** at close to constant pressure (the pressure at the end of the heat addition is the same as the pressure at the start of the heat addition). Heat is then added at close to constant volume by burning fuel. This is followed by complete expansion. And finally, heat exchanger low-pressure side **40** transfers heat to heat exchanger high-pressure side **10**.